

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|-----------------|------------------|---------|------------------|
| L1 | 88 | (CHEN-YI-NAN TSAI-TZU-CHING CHOU-SHIH-HUNG).in. | US-PGPUB; USPAT | OR | OFF | 2004/11/18 23:20 |
| L2 | 0 | 1 and ((implant implanted implants implanting dope doped doping) with (tilt tilted angle angled angles angel angels angling angeled angeling)) | US-PGPUB; USPAT | OR | ON | 2004/11/18 23:23 |
| S1 | 1518 | ((438/243-249) or (438/386-392)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2004/11/18 20:19 |
| S2 | 1738 | (257/301-305).CCLS. | US-PGPUB; USPAT | OR | OFF | 2004/11/17 12:35 |
| S3 | 1518 | ((438/243-249) or (438/386-392)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2004/11/17 15:05 |
| S4 | 1738 | (257/301-305).CCLS. | US-PGPUB; USPAT | OR | OFF | 2004/11/17 15:05 |
| S5 | 2972 | S3 or S4 | US-PGPUB; USPAT | OR | OFF | 2004/11/17 12:35 |
| S6 | 2864 | S5 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/17 15:06 |
| S7 | 150 | S6 and ((implant implanted implants implanting dope doped doping) with (angle angled angles angel angels angling angeled angeling)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 12:36 |
| S8 | 1201 | S6 and ((implant implanted implants implanting dope doped doping) with (oxidizing oxidizes oxidation oxide oxidized oxidize)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 12:36 |
| S9 | 296 | S6 and ((implant implanted implants implanting dope doped doping) with (oxidizing oxidizes oxidation oxidized oxidize)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 12:36 |
| S10 | 34 | S7 and S9 | US-PGPUB; USPAT | OR | ON | 2004/11/16 17:33 |
| S12 | 1518 | ((438/243-249) or (438/386-392)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2004/11/17 12:35 |
| S13 | 1738 | (257/301-305).CCLS. | US-PGPUB; USPAT | OR | OFF | 2004/11/17 12:35 |
| S14 | 2972 | S12 or S13 | US-PGPUB; USPAT | OR | OFF | 2004/11/17 12:36 |
| S15 | 2864 | S14 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/17 12:36 |

| | | | | | | |
|-----|------|--|-----------------|----|-----|------------------|
| S16 | 150 | S15 and ((implant implanted implants implanting dope doped doping) with (angle angled angles angel angels angling angeled angeling)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 15:05 |
| S17 | 1201 | S15 and ((implant implanted implants implanting dope doped doping) with (oxidizing oxidizes oxidation oxide oxidized oxidize)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 12:36 |
| S18 | 296 | S15 and ((implant implanted implants implanting dope doped doping) with (oxidizing oxidizes oxidation oxidized oxidize)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 12:36 |
| S19 | 108 | S16 and S17 | US-PGPUB; USPAT | OR | ON | 2004/11/17 12:37 |
| S21 | 34 | S18 and S19 | US-PGPUB; USPAT | OR | ON | 2004/11/17 12:37 |
| S22 | 74 | S19 not S21 | US-PGPUB; USPAT | OR | ON | 2004/11/17 12:37 |
| S23 | 1738 | (257/301-305).CCLS. | US-PGPUB; USPAT | OR | OFF | 2004/11/17 15:05 |
| S24 | 1518 | ((438/243-249) or (438/386-392)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2004/11/17 15:05 |
| S25 | 2972 | S23 or S24 | US-PGPUB; USPAT | OR | OFF | 2004/11/17 18:37 |
| S26 | 161 | S25 and ((implant implanted implants implanting dope doped doping) with (tilt tilted angle angled angles angel angels angling angeled angeling)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 18:16 |
| S27 | 157 | S26 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/17 18:41 |
| S28 | 1518 | ((438/243-249) or (438/386-392)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2004/11/17 18:38 |
| S29 | 1738 | (257/301-305).CCLS. | US-PGPUB; USPAT | OR | OFF | 2004/11/17 15:07 |
| S30 | 2972 | S28 or S29 | US-PGPUB; USPAT | OR | OFF | 2004/11/17 15:07 |
| S31 | 2864 | S30 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/17 15:15 |
| S32 | 150 | S31 and ((implant implanted implants implanting dope doped doping) with (angle angled angles angel angels angling angeled angeling)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 15:07 |

| | | | | | | |
|-----|------|---|----------------------------|----|-----|------------------|
| S33 | 1201 | S31 and ((implant implanted implants implanting dope doped doping) with (oxidizing oxidizes oxidation oxide oxidized oxidize)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 15:07 |
| S34 | 108 | S32 and S33 | US-PGPUB; USPAT | OR | ON | 2004/11/17 15:14 |
| S35 | 49 | S27 not S34 | US-PGPUB; USPAT | OR | ON | 2004/11/17 15:07 |
| S36 | 3343 | (trench adj capacitor) | US-PGPUB; USPAT | OR | ON | 2004/11/17 15:22 |
| S37 | 3167 | S36 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/17 15:14 |
| S38 | 184 | S36 and ((implant implanted implants implanting dope doped doping) with (tilt tilted angle angled angles angel angels angling angeled angeling)) | US-PGPUB; USPAT | OR | ON | 2004/11/18 23:23 |
| S39 | 101 | S38 not S27 | US-PGPUB; USPAT | OR | ON | 2004/11/17 15:15 |
| S40 | 99 | S38 not S26 | US-PGPUB; USPAT | OR | ON | 2004/11/17 15:15 |
| S41 | 92 | S39 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/17 15:16 |
| S42 | 1509 | (trench adj capacitor) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/17 15:23 |
| S43 | 16 | S42 and ((implant implanted implants implanting dope doped doping) with (tilt tilted angle angled angles angel angels angling angeled angeling)) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/17 15:23 |
| S44 | 161 | S25 and ((implant implanted implants implanting dope doped doping dopant dopants) with (tilt tilted angle angled angles angel angels angling angeled angeling)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 15:27 |
| S46 | 1448 | S24 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/17 16:10 |
| S47 | 1361 | S46 not S26 | US-PGPUB; USPAT | OR | ON | 2004/11/17 15:36 |
| S48 | 646 | S47 and (trench adj capacitor) | US-PGPUB; USPAT | OR | ON | 2004/11/17 18:39 |
| S49 | 1688 | S23 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/17 16:10 |
| S50 | 645 | S49 and (trench adj capacitor) | US-PGPUB; USPAT | OR | ON | 2004/11/17 16:11 |
| S51 | 506 | S50 not (S48) | US-PGPUB; USPAT | OR | ON | 2004/11/17 16:11 |

| | | | | | | |
|-----|-------|--|--------------------|----|-----|------------------|
| S52 | 458 | S51 not S26 | US-PGPUB; USPAT | OR | ON | 2004/11/17 16:41 |
| S53 | 1799 | trench and ((implant implanted implants implanting dope doped doping) with (tilt tilted angle angled angles angel angels angling angeled angeling)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 18:35 |
| S54 | 1682 | S53 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/17 18:36 |
| S55 | 1634 | S54 not S50 | US-PGPUB; USPAT | OR | OFF | 2004/11/17 18:19 |
| S56 | 1634 | S55 not S52 | US-PGPUB; USPAT | OR | OFF | 2004/11/17 18:19 |
| S57 | 645 | S56 and (capacitor DRAM RAM (dynamic adj random)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 18:40 |
| S58 | 12821 | ((implant implanted implants implanting dope doped doping) with (oxide oxidize oxidizes oxidizing oxidized oxidation) with (thick thicker thin thinner thinnest thickest thickness thinness)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 18:36 |
| S59 | 12336 | S58 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/17 18:37 |
| S60 | 578 | S59 and (S23 or S24 or (trench adj capacitor)) | US-PGPUB; USPAT | OR | ON | 2004/11/17 18:37 |
| S61 | 538 | S60 not S57 | US-PGPUB; USPAT | OR | ON | 2004/11/17 18:37 |
| S62 | 0 | ("49not(22or23or15)").PN. | US-PGPUB; USPAT | OR | OFF | 2004/11/17 18:39 |
| S63 | 512 | S61 not (S34 or S35 or S27) | US-PGPUB; USPAT | OR | OFF | 2004/11/17 18:39 |
| S64 | 425 | S63 NOT (S41 S43 S48) | US-PGPUB; USPAT | OR | ON | 2004/11/17 18:40 |
| S65 | 348 | S64 not S52 not S57 | US-PGPUB; USPAT | OR | ON | 2004/11/17 18:41 |
| S66 | 348 | S64 not (S52 or S57) | US-PGPUB; USPAT | OR | ON | 2004/11/17 18:41 |
| S67 | 348 | S66 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/18 20:54 |
| S68 | 1 | ("6303458").PN. | US-PGPUB; USPAT | OR | OFF | 2004/11/18 20:41 |
| S69 | 3 | implant\$5 with "BF.sub.2" with ""F.sub.2"" | US-PGPUB; USPAT | OR | OFF | 2004/11/18 20:50 |
| S70 | 3 | (dop\$3 implant\$5) with "BF.sub.2" with ""F.sub.2"" | US-PGPUB; USPAT | OR | OFF | 2004/11/18 20:50 |
| S71 | 3 | (dop\$3 implant\$5) with "BF.sub.2" with "F.sub.2" | US-PGPUB; USPAT | OR | OFF | 2004/11/18 20:50 |

| | | | | | | |
|-----|-----|--|------------------------------|----|-----|------------------|
| S72 | 4 | ((dop\$3 implant\$5) with ("BF.sub.2" or "F.sub.2")) and ("BF.sub.2" same "F.sub.2")) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 20:52 |
| S73 | 146 | ((dop\$3 implant\$5) same ("BF.sub.2" same ("F.sub.2" fluorine))) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:05 |
| S74 | 6 | ((dop\$3 implant\$5) same ("BF.sub.2" same ("F.sub.2"))) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 20:53 |
| S75 | 133 | S73 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:07 |
| S76 | 19 | S75 and (oxid\$6 with rate) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 20:57 |
| S77 | 99 | ((dop\$3 implant\$5) same ("BF.sub.2" with ("F.sub.2" fluorine))) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:58 |
| S78 | 96 | S77 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:05 |
| S79 | 82 | S78 not S76 | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:05 |
| S80 | 121 | ("BF.sub.2" with ("F.sub.2" fluorine)) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:43 |
| S81 | 21 | ("BF.sub.2" with ("F.sub.2")) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:07 |
| S82 | 21 | S81 not (@ad>"20030716" or @rlad>"20030716") | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:39 |
| S83 | 1 | ("5372951").PN. | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:39 |
| S84 | 3 | ("4352236" "4743563" "4971923").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/18 21:39 |
| S85 | 3 | ("4352236" "4743563" "4971923").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/18 21:40 |
| S86 | 24 | ("5372951").URPN. | USPAT | OR | OFF | 2004/11/18 21:42 |
| S87 | 10 | S86 and ("BF.sub.2" ("F.sub.2" fluorine)) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:43 |
| S88 | 10 | S86 and ("BF.sub.2" ("F.sub.2" fluorine)) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:49 |
| S89 | 57 | ("4240096" "4420872" "4627153" "4651406" "4669178" "4743563" "4748131" "4748134" "4920076" "5057449" "5106768" "5108935" "5215934" "5254489" "5330920" "5358894" "5372951" "5426065" "5432114").PN. OR ("5576226").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/18 21:48 |

| | | | | | | |
|-----|-----|--|--------------------|----|-----|------------------|
| S90 | 19 | S89 and ("BF.sub.2" ("F.sub.2" fluorine)) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:49 |
| S91 | 164 | ((dop\$3 implant\$5) same (("BF.sub.2" "BF.sub.3" "BF") with ("F.sub.2" fluorine))) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:58 |
| S92 | 121 | ((dop\$3 implant\$5) with (("BF.sub.2" "BF.sub.3" "BF") with ("F.sub.2" fluorine))) | US-PGPUB; USPAT | OR | OFF | 2004/11/18 21:58 |
| S93 | 3 | ((dop\$3 implant\$5) with (("BF.sub.2" "BF.sub.3" "BF") with ("F.sub.2" fluorine))) same ((oxidation oxidizing oxidized oxidizes oxide) with (faster increased increasing rate)) | US-PGPUB; USPAT | OR | ON | 2004/11/18 22:00 |
| S94 | 49 | ((dop\$3 implant\$5) with (("BF.sub.2" "BF.sub.3" "BF") with ("F.sub.2" fluorine))) same ((oxidation oxidizing oxidized oxidizes oxide)) | US-PGPUB; USPAT | OR | ON | 2004/11/18 22:00 |